Investigation 4 – Part 3 – Pulleys (Replacement Activity)

Engineering Design

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| --- | --- | --- | --- | --- |
|  | 4 | 3 | 2 | 1 |
| Reassess first design/proposal of second design | Gives more than two reasons for keeping or changing design option OR in-depth explanation of decision | Gives two reasons for keeping or changing design option | Gives one reason for keeping or changing design option | Reason not clear for keeping or changing design option |
| Rationale | Discusses how design features meets three criteria AND discusses three constraints to design option. | Discusses how design features meets two criteria AND discusses two constraints to design option. | Discusses only one criteria or constraint to design option. (missing one criteria or constraint) | Discussion of criteria and constraints shows lack of understanding. |
| Labeled drawings | Design is clear, labeled, shows addition to details of terrain and other features of design | All design parts are clear and labeled. | Some parts of design are missing OR some parts are not labeled. | Design is unclear AND/OR labels are missing |